

## As Left Certificate of Calibration

**Manufacturer** Radian Research, Inc.  
**Instrument Model:** RX-33-PQ Xytronic Portable Standard  
**Serial Number** 710851  
**Firmware Revision:** 12.00.00  
**Error Specification** .01% worst case

ISO 9001:2015 Certified Quality Management System  
 ISO/IEC 17025:2017 Accredited Laboratory

**Customer Name:** Enercom, S.A.  
**Address:** Calle 50, piso 12, oficina 1207  
 Ciudad de Panama, Panama

**Calibration Lab Name:** Radian Research, Inc.  
**Calibration Lab Address:** 3852 Fortune Drive, Lafayette, IN 47905, USA  
**Calibration Date:** 26-Nov-24  
**Report Issue Date:** 27-Nov-24

**Environmental Conditions**

Temperature: 23°C +/- 2°C	P.O.Number:	CCD
Humidity: between 30% and 60%	RMA:	RO45358

**Physical Condition:** Undamaged

**Radian Research's As-Found Test Results showed this Instrument to be:**

New  In Tolerance  Out of Tolerance  Inoperative  Limited Calibration  Repair Needed

**Radian Research's As-Left Test Results showed this Instrument to be:**

New  In Tolerance  Out of Tolerance  Inoperative  Limited Calibration

For Out of Tolerance conditions, As-Found Data Reports are furnished.

Radian Research, Inc. certifies the instrument listed above meets or exceeds specifications and was calibrated in compliance with ANSI/NCCL Z540-1-1994 "Calibration Laboratories and Measuring and Test Equipment – General Requirements" using applicable Radian Research procedures which meet the requirements of ISO 9001:2015 and ISO/IEC Guide 98-3 "Uncertainty of measurement - Part 3: Guide to the expression of uncertainty in measurement (GUM:1995)".

This instrument was calibrated by a Radian Research RS-933 Syntron Automated Calibration System which is traceable to the National Institute of Standards and Technology (NIST) and/or other National Metrology Institute (NMI). The Automated Calibration system is cross checked and calibrated on a schedule which is adjusted to maintain required accuracies and traceability. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k=2.

**Procedure used for Calibration:** 9912270  
**Software used for Calibration:** Radian Research RS-933 Control Application Version 2.6.8312.21655  
**RS-933 Tool Number:** 9922573

**Standards Used in This Calibration:**

<u>Description</u>	<u>Serial Number(s):</u>	<u>Cal. Source</u>	<u>Cal. Number:</u>	<u>Cal. Due</u>
RS-940B Data Collection Module	933172	Radian Research	933172-20240529	5/29/2025
RS-711 Syntron with RS-932 Boost Module (Phase A)	703273	Radian Research	703273-20240220	2/20/2025
RS-711 Syntron with RS-932 Boost Module (Phase B)	703195	Radian Research	703195-20240930	9/30/2025
RS-711 Syntron with RS-932 Boost Module (Phase C)	703275	Radian Research	703275-20241025	10/25/2025

**Laboratory Technician Signature**

*Carmen Nealley* LAB 429

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